

Quickstart LubMon MMS Visu

V1.03.12

30375400

Read the safety instructions and operating instructions in the manual prior to commissioning!

The device complies with CE requirements.

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1. Technical data

Data	Range	Unit
Ambient conditions operation:		
Temperature	5...50	°C
Humidity	0...95	%
Ambient conditions storage:		
Temperature	0..60	°C
Humidity	0..95	%
Power supply		
	9...33	VDC
Current consumption:		
Typical	100	mA
Maximum	300 *(without ext. equip.)	mA
Display:		
Resolution	128x32	px
Brightness	adjustable	
Interfaces:		
Analog input (2x)	4..20	mA
RS232 (2x sensors)	9.600	baud
USB-B (Visu)	9.600	baud
Ethernet RJ45 (optional)		
Alarm contacts (3x)	potential-free contact	
Memory:		
Internal Memory	1.000	Datasets
Memory card slot	SD-card	

Table 1.1: Technical details

2. Installation

The LubMon Visu is designed to be installed in a cabinet and can be mounted with the enclosed mounting clips and seal. In Figure 2.1 the dimensions of the LubMon Visu are shown.

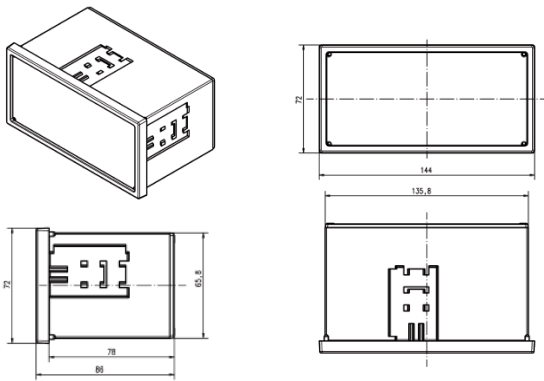


Figure 2.1: Dimensional drawing LubMon Visu

3. Electrical connection

Only a qualified electrician should install the device. Comply with national and international guidelines for setting up electrical equipment. Power supply has to be in accordance with EN50178, SELV, PELV, VDE0100-410/A1.

Improper electrical connection can damage the device!



De-energize the system for the installation and connect the device as follows:

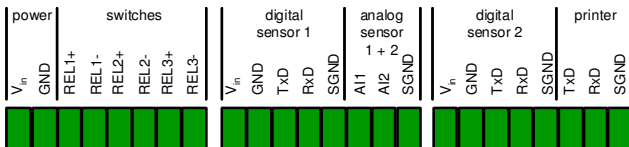
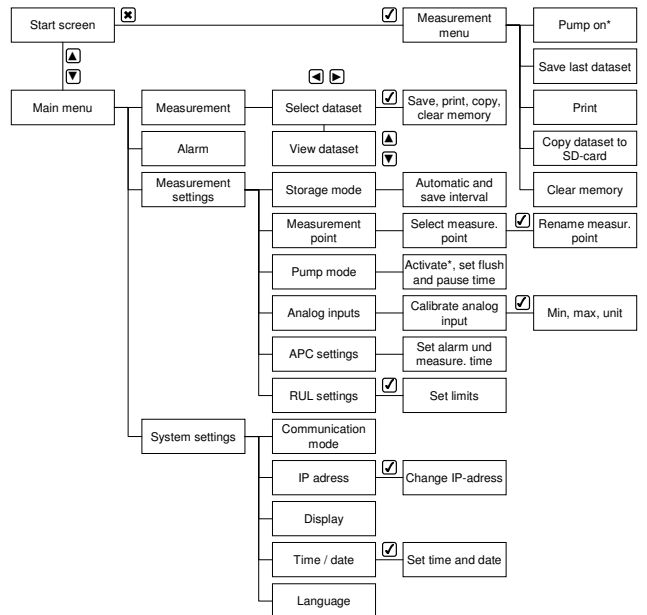


Figure 3.1: Rear view on LubMon Visu with pin layout

4. Menu



*Only with optional pump

Figure 4.1: Menu structure LubMon Visu

5. Serial communication

- Baud rate: 9600
- Parity: none
- Flow control: none
- Data bits: 8
- Stop bits: 1

#	Command format	Meaning	Reply format
1	RVal[CR]	Reading all measured values with subsequent check sum (CRC)	\$ Time:x.xxx[h];T:xx.x[°C];;CRC:x[CR][LF]
2	RID[CR]	Reading of identification with subsequent check sum (CRC)	\$Martechnic; LubMon Visu; SN:xxxxx...;CRC:x[CR][LF]
3	RMemO[CR]	Reading of memory organisation (header), names and units	Time [h]; ... [CR][LF]
4	RMem[CR]	Reading of complete memory, including header	\$Time [h]; ...[CR][LF]...; [CR][LF]...
5	RMemH-n[CR]	Read memory of the recent n hours	\$Time [h]; ... ; CRC:x[CR][LF]...
6	RMemS[CR]	Read number of storable datasets	MemS: xxx[CR][LF]
7	RMemU[CR]	Read number of stored datasets	MemU: xxx[CR][LF]

Table 5.1: Reading commands

For more commands or information about the communication setup please consult the manual.